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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/765,256	01/26/2004	Srikanth Varanasi	1-15610	9581	
1678 7 MARSHALL &	7590 01/31/200 : MELHORN	7	EXAMINER		
FOUR SEAGATE, EIGHT FLOOR			CHEN, BRET P		
TOLEDO, OH 4	13004		ART UNIT	PAPER NUMBER	
			1762	 	
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MON	NTHS	01/31/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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-		Application No.	Applicant(s)	
		10/765,256	VARANASI ET AL.	
	Office Action Summary	Examiner	Art Unit	
		B. Chen	1762	
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	orrespondence address	,
A SH WHIC - External afternal	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.1. SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period ver to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communicat D (35 U.S.C. § 133).	
Status				
2a)⊠	Responsive to communication(s) filed on 16 No. This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under Exercise 1.	action is non-final. nce except for formal matters, pro		is
Dispositi	on of Claims			
5)□ 6)⊠ 7)□ 8)□	Claim(s) 1-20,27 and 28 is/are pending in the at 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1-20,27 and 28 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or an Papers.	vn from consideration.		
	on Papers			
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121	
Priority u	nder 35 U.S.C. § 119			
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau see the attached detailed Office action for a list of the certified copies of the attached detailed Office action for a list of the certified copies of the certified copies of the prior application from the International Bureau see the attached detailed Office action for a list of the certified copies of the certified copies of the priority documents are considered.	s have been received. s have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage	
2) 🔲 Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da	ite	
	nation Disclosure Statement(s) (PTO/SB/08) · No(s)/Mail Date	5) Notice of Informal P. 6) Other:	анет Аррисация	

DETAILED ACTION

Claims 1-20, 27-28 are noted in this application. Amended claims 1, 16 and newly added claims 27-28 are noted.

The amendment dated 11/16/06 has been entered and carefully considered. The examiner appreciates the amendments to the claims. In view of said amendments, the previous art rejection has been withdrawn.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-20, 27-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Halaby et al. (3,892,888). Halaby discloses a method of making a magnetite film or gamma ferric oxide film magnetic recording and storage device comprising the step of depositing a film of elemental iron, alpha ferric oxide, or magnetite on an inorganic and non-magnetic substrate by chemical vapor deposition (col.1 lines 36-49). The substrate can be in the form of a disk, tape, rod, drum or wire and can be aluminum, glass, glass-ceramic or ceramic that can withstand without damage the high temperatures encountered in the method of this invention (col.2 lines 15-23) and can be heated to 300°C (col.2 lines 52-54). The precursor can be ferrocene and can be transported by the use of an inert or reducing carrier gas (col.2 lines 54-69) and the carrier gas can be oxygen (col.6 lines 1-18). It should be noted that the final film can be alpha ferric oxide (col.5 lines 63-65). Nitrogen can be used as an inert gas (col.4 lines 1-25). However, the reference remains silent on directing forming a gaseous mixture.

It is noted that the reference clearly teaches of utilizing ferrocene and an oxidant to react to form an iron oxide film. One skilled in the art knows that forming a mixture prior to reacting ensures saturation amongst the desired materials. It would have been obvious to utilize a mixture of ferrocene and an oxidant to deposit an iron oxide film with the expectation of obtaining similar results.

The limitations of claims 2-20, 27-28 have been addressed above.

Response to Arguments

Applicant's arguments with respect to claims 1-20, 27-28 have been considered but are most in view of the new ground(s) of rejection.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Art Unit: 1762

Any inquiry concerning this communication or earlier communications from the examiner should be directed to B. Chen whose telephone number is (571) 272-1417. The examiner can normally be reached on 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Bc 1/29/07

BRET CHEN
PRIMARY EXAMINER